



Preliminary ENSOFT SL-620-40A-D2

ENSOFT

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is low mineral filled, high performance and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	D / Heat and UV stabilizer and lubricant /
Key Features :	Good ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding, extrusion, coextrusion, sheet extrusion
Uses :	Extruded parts (seals, tubes, profiles, hoses, etc.) for construction

	Value	Unit	Standard
Physical			
Hardness	40	SHORE A	ISO 868 (3 second)
Density	1,00	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	0,8	Mpa	ISO 37, DIN 53504
300% Modulus	1,5	Mpa	ISO 37, DIN 53504
Tensile Strength At Break	6,5	Mpa	ISO 37, DIN 53504
Elongation at Break	750	%	ISO 37, DIN 53504
Tear Strength (Perpendicular to flow)	22	N/mm	ISO 34-1 Method B
Aging			
Compression Set (72h/23°C)	10	%	ISO 815
Compression Set (22h/70°C)	34	%	ISO 815

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent



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Olive Oil	Fair
Sulphuric Acid	Good
Detergent	Good

Drying Condition

Drying Time(hr)	Not required
Drying Temperature(°C)	Not required

Molding Condition (°C)

1st Zone (hopper)(°C)	170-180
2nd Zone(°C)	180-190
3rd Zone(°C)	190-200
Nozzle(°C)	200-210
Melt Temperature(°C)	210-220
Mold Temperature(°C)	10-50
Max Allowable Melt Temperature(°C)	250 C

Extrusion Condition (°C)

Feed Zone Temperature (°C)	170 - 190
Compression Zone Temperature (°C)	180 - 195
Melting Zone Temperature (°C)	195 - 205
Extruder Head Temperature (°C)	200 - 210
Die Temperature (°C)	200 - 220

